

Converting Colors

XYZ(21.9765, 24.3741, 52.9813)

Have a look what the booklet for
XYZ(21.9765, 24.3741, 52.9813)
contains.

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Color

**XYZ(21.9894, 24.3891,
52.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8DBF
RGB	77, 141, 191
RGB Percent	30%, 55%, 75%
CMY	0.6980, 0.4471, 0.2510
CMYK	0.60, 0.26, 0.00, 0.25
HSL	206°, 47%, 53%
HSV	206°, 60%, 75%
XYZ	21.9894, 24.3891, 52.8388
YIQ	127.5640, -54.1940, 1.9820

Conversions

Conversions Part 2

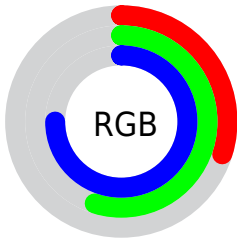
Format	Color
R_{YB}	77, 118, 191
Decimal	5082559
CIE _{Lab}	56.48, -5.45, -32.21
CIE _{LCh}	56, 32.667, 260.400
Yxy	24.3891, 0.2216, 0.2458
Android (android.graphics.Color)	4283272639 (0xFF4D8DBF)
YUV	127.5640, 31.2739, -44.3446
Hunter-Lab	49.3853, -6.9451, -28.8664

Details

The XYZ color **21.9894, 24.3891, 52.8388** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.4158, 26.7923, 10.5906**, and the grayscale version is **20.2767, 21.3327, 23.2313**.

A 20% lighter version of the original color is **46.2267, 50.5118, 96.1203**, and **8.2564, 9.2883, 25.0246** is the 20% darker color. If you saturate the color by 10%, you get **19.4797, 21.3308, 52.3812**, and if you desaturate by 10%, it is **25.0466, 27.8693, 53.3499**.

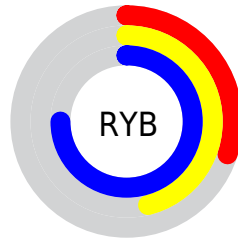
Distribution



Red (30%)

Green (55%)

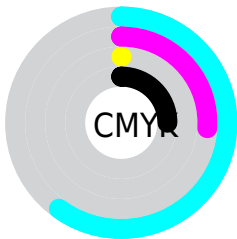
Blue (75%)



Red (30%)

Yellow (46%)

Blue (75%)

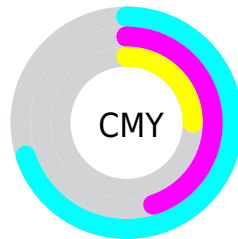


Cyan (60%)

Magenta (26%)

Yellow (0%)

Black (25%)



Cyan (70%)

Magenta (45%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9894, 24.3891, 52.8388 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.9894, 24.3891, 52.8388 by changing the saturation by 10% instead.

■ 21.9894, 24.3891,
52.8388

■ 21.9894, 24.3891,
52.8388

255.1243,
274.7818, 414.7151

■ 13.9657, 15.6225,
37.2873

■ 46.2075, 50.6644,
95.8063

■ 8.1783, 9.2574,
25.1325

■ 63.1325, 68.9419,
124.0593

■ 4.2620, 4.9095,
15.9558

■ 83.7554, 91.1585,
157.3832

■ 1.8514, 2.1942,
9.3389

■ 108.4414,
117.6986, 196.1965

■ 0.5484, 0.7169,
4.8631

■ 137.5559,
148.9466, 240.9178

■ 0.0000, 0.0000,
2.1098

171.4644,

■ 0.0000, 0.0000,

185.2869, 291.9657

0.6216

210.5320,
227.1038, 349.7586

■ 0.0000, 0.0000,
0.0000

■ 21.9894, 24.3891,
52.8388

■ 21.9894, 24.3891,
52.8388

■ 19.4797, 21.3308,
52.3812

■ 25.0466, 27.8693,
53.3499

■ 17.4721, 18.6665,
51.9728

■ 28.6868, 31.7913,
53.9150

■ 15.9170, 16.3680,
51.6111

■ 32.9451, 36.1764,
54.5370

■ 14.7208, 14.3839,
51.2912

■ 37.8528, 41.0437,
55.2178

■ 14.6854, 14.3243,
51.2815

■ 43.4392, 46.4109,
55.9594

■ 49.7317, 52.2947,
56.7634

■ 56.7559, 58.7109,
57.6317

■ 64.5362, 65.6747,
58.5657

■ 73.0958, 73.2004,
59.5672

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.8478, 24.3891, 46.0525



21.9894, 24.3891, 52.8388



25.8095, 24.3891, 51.2499

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.9894, 24.3891, 52.8388



30.6870, 24.3891, 19.9373



18.0172, 24.3891, 15.3694

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.9894, 24.3891, 52.8388



30.4158, 26.7923, 10.5906

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.7375, 24.3891, 11.4274



21.9894, 24.3891, 52.8388



28.1324, 24.3891, 13.5236

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.9894, 24.3891, 52.8388



31.1161, 24.3891, 30.1824



24.4151, 24.3891, 10.8588



16.7247, 24.3891, 23.2316

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.9894, 24.3891, 52.8388



28.2210, 24.3891, 45.7830



24.4151, 24.3891, 10.8588



18.7801, 24.3891, 13.6432

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.9903, 24.3900, 52.8394



69.1185, 74.7981, 99.0737



25.4840, 40.3568, 26.3220



14.5707, 15.8326, 21.6733



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9903, 24.3900, 52.8394



33.5474, 36.4762, 93.5516



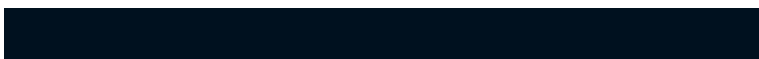
15.6826, 11.7747, 50.7369



9.4488, 10.0899, 12.1217



9.7323, 9.5763, 33.7284



0.4453, 0.5033, 1.3425

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.9482, 18.3082, 27.2081



47.8091, 26.9994, 40.3448



39.8422, 45.6451, 13.7327



9.7484, 9.6236, 11.0639



15.9132, 7.9964, 10.1024



0.6557, 0.3262, 0.5661

Previews

White Background



This preview shows how the XYZ color 21.9894, 24.3891, 52.8388 looks on a white background.

Color Contrast Check

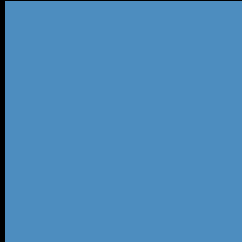
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9894, 24.3891, 52.8388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

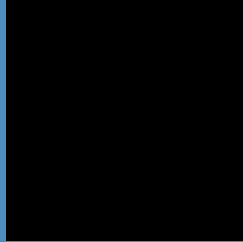
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9894, 24.3891, 52.8388

Background



This preview shows how black text looks on a background with the XYZ color 21.9894, 24.3891, 52.8388.

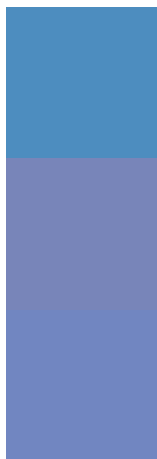


This preview shows how white text looks on a background with the XYZ color 21.9894, 24.3891,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.9894, 24.3891, 52.8388

Protanopia

24.8902, 24.2709, 49.2718

Deuteranopia

24.9608, 24.4112, 53.8483



Tritanopia

18.7416, 24.4274, 36.5281

Trichromacy



Original Color

21.9894, 24.3891, 52.8388

Protanomaly

23.4827, 24.1392, 50.4354

Deuteranomaly

23.7156, 24.4064, 53.3301

Tritanomaly

19.8600, 24.4200, 42.1949

Monochromacy



Original Color

21.9894, 24.3891, 52.8388

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2801, 22.2606, 32.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9894, 24.3891, 52.8388 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(77, 141, 191)` looks like.

```
.text, #text, p{  
    color:rgb(77, 141, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(77, 141, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 141, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.9894, 24.3891, 52.8388 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 141, 191) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(77, 141, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(77, 141, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 141, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 141, 191);  
box-shadow:4px 4px 4px 4px rgb(77, 141,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9894, 24.3891, 52.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 141, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(77, 141,  
191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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